

**DRAFT**

**NAVAL STATION TREASURE ISLAND  
REMEDIAL PROJECT MANAGER AND  
BASE REALIGNMENT AND CLOSURE CLEANUP TEAM  
MEETING MINUTES**

**August 8, 2000**

The meeting agenda and sign-in sheet are included as Attachment 1. The following people attended the meeting on August 8:

John Baur	International Technology Corporation (IT)
Michael Bloom	Naval Facilities Engineering Command, Southwest Division (SWDIV)
Jordie Bornstein	Tetra Tech EM Inc. (TtEMI)
Gary Foote	Geomatrix Consultants (Geomatrix) (Consultant to the City of San Francisco)
Marcelo Pascua	SWDIV
Sarah Raker	Regional Water Quality Control Board, San Francisco Bay Region (RWQCB)
David Rist	California Department of Toxic Substances Control (DTSC)
Mr. Lew Schalit	Restoration Advisory Board (RAB)
Lynne Srinivasan	Uribe and Associates
James Sullivan	SWDIV
Tony Tactay	SWDIV
Anju Wicke	TtEMI
Jerry Wickham	TtEMI
Marcy Yeshnowski	TtEMI

## **I. Meeting Minutes**

James Sullivan of SWDIV convened the meeting at 9:30 a.m. and introduced the meeting participants. Following introductions, Michael Bloom of SWDIV updated the group on the SWDIV workforce, discussing the responsibilities of Mr. Sullivan, Marcelo Pascua, Tony Tactay, and Ellen Casados. Mr. Bloom noted that he would provide a sheet that details this information. The group suggested that an updated BCT contact list also be established (previous list did not include TtEMI employees).

## **II. Update on Former Storage Removal**

TtEMI supplied a map of the former storage yard that showed the extent of excavation and location of confirmation samples and a table with confirmation samples to date (See Attachment 2). John Baur of IT provided a summary of the progress of the former storage yard removal. He began his summary by explaining that the excavated area is larger than originally anticipated as a result of screening data collected in the field. He also stated that the removal is complete and that all of the confirmation sample results and all but two of the sidewall results of the excavation were at or below 1 part per million (ppm) of polychlorinated biphenyl (PCB). All confirmation sample data needed to make decisions on the extent of excavation have been received and evaluated. Some sidewall data from less critical areas remain to be analyzed. Anju Wicke (TtEMI) anticipated that the less critical data (put on lower priority 35-day turnaround time) would be available at the end of the week and stated that she would provide a final set of sample results when available.

Mr. Baur discussed wall 5, an area near building 1101. The single sidewall confirmation sample from wall 5 contained 1.1 ppm of PCB's; Mr. Baur recommended that no further excavation be done in the wall 5 area. He explained that the confirmation sample from wall 5 consisted of a four-point composite sample. Because one of those four samples was collected from the sidewall along the foundation of Building 1101, Mr. Baur noted that the result may be skewed by higher concentration of PCBs in soil beneath the building and may not be representative of the soil left in place. Mr. Baur recommended that no additional excavation be conducted beyond wall 5. The group agreed, and David Rist (DTSC) advised that the Navy submit a letter to DTSC seeking approval to not excavate further in this area.

Mr. Baur discussed the area under the transformer pad; three confirmation samples contain PCB concentrations ranging from 1.1 to 2.5 ppm. His recommendation, based on the use and restricted access of the area, was that removal of soil beneath the transformer pad should be conducted, if necessary, at a later date. Mr. Rist advised that the transformer area issue should be described in the previously mentioned Navy letter to DTSC. Because of potential future use by construction workers, the group postulated that further work might need to be done in that area.

Prompted by the groups' inquiries, Mr. Baur identified the area between buildings 1107 and 1105 as a localized "hotspot." It was successfully excavated.

Mr. Sullivan noted that the concentration of PCBs in the sidewall confirmation samples collected from soil left in place beneath the buildings exceeds 1 ppm for approximately half of the buildings. Mr. Sullivan discussed the possible use of a concrete ledge extending outward from the building exterior to prevent potential exposure in areas immediately adjacent to the building foundation where soil containing greater than 1 ppm PCBs may be less than 4 feet from ground surface. Mr. Baur elaborated on different ways this could be accomplished. It was determined that this decision would be made on a building-by-building basis, keeping in mind both aesthetic and safety issues.

Mr. Sullivan noted that a thin layer of buried rubbish was found in the area between buildings 1103 and 1412. Mr. Baur elaborated on the debris, describing it as a thin layer near the surface that could have been left from construction. The rubbish was explored when a loader unintentionally scraped below ground surface during the loading of clean fill from a soil stockpile. IT excavated the small area and found clean soil about 5 inches below ground surface.

The status of restoration was also discussed. Mr. Baur informed the group that the entire area has been backfilled but remains to be graded and compacted. IT also dug trenches to reinstall electrical wire, and all sanitary sewer water lines have been completed. The group also discussed removing the perimeter fence unless it is necessary for safety reasons. Mr. Sullivan indicated that the Navy was operating under the assumption that sheds and trees do not need to be replaced by the Navy. He indicated that the City of San Francisco might have a different view. Because of the greater than expected volume of the excavation, the Navy does not currently have sufficient funds for complete restoration. Mr. Baur suggested that the Navy makes a priority list for restoration, though a 100 percent restoration date cannot be determined until the necessary funds are acquired. Mr. Sullivan and Mr. Bloom indicated that the Navy could not predict when additional funds would be available.

Mr. Baur indicated that IT will prepare a technical memorandum describing the excavation and at a later date, will submit a postclosure report that includes details of the site restoration. TtEMI will submit a technical memorandum with results of the confirmation sampling. The IT memorandum will be submitted to the Navy on August 31, 2000.

### **III. Finding of Suitability to Lease the Former Storage Yard**

Mr. Sullivan opened the discussion of the finding of suitability to lease (FOSL) for the former storage yard area by providing an overview of the respective zones, which he complemented with a graphic handout (See Attachment 3). Based on previous amendments, a FOSL amendment will be prepared for this area. After a brief group discussion of previous amendments, Mr. Rist requested and the Navy agreed that the history behind zone development should be included in the FOSL amendment.

Lynne Srinivasan of Vribe & Associates identified three issues regarding the schedule for the FOSL amendment: the collection of indoor air quality data, the issue of risk assessment, and the issue of including buildings 1108 and 1110, which are currently occupied by residents. After presenting these issues for discussion, the TtEMI team distributed the draft quality assurance

project plan addendum (QAPP) and the draft field sampling plan addendum (FSP) for the indoor ambient air investigation.

The group agreed upon the following schedule for review of the indoor ambient air investigation work plans:

- Draft comments from agencies by August 31
- Conference call during the first week in September
- Field work to be completed during the second week in September
- Air quality data back during the third week in September

Ms. Srinivasan then initiated discussion concerning what benchmark to use as an indoor air quality standard. Because there is no indoor air preliminary remediation goal, she proposed establishing two standards based on risk, one for a construction worker and one for a resident. The group concluded that after the method for calculating those standards is determined, the standards could be used as a benchmark for the proposed data collection.

Regarding the issue of what buildings to include in the FOSL, Ms. Srinivasan presumed that buildings shaded in green (See Attachment 3) would be included and asked the group about including buildings 1108, 1110, 1112, and 1118, which are all currently occupied. She raised the point that the variability of PCB concentrations in the area is going to be low because of the removal and proposed that data for a risk assessment be collected from the entire area. A 95 percent upper confidence limit would be calculated for the entire area rather than on a building-by-building basis in the risk assessment. The group concurred with this methodology as long as the rationale was clearly described within the FOSL. Mr. Sullivan redirected attention back to the issue of buildings 1108, 1110, 1112, and 1118. The group concluded that it would be appropriate to include buildings 1108 and 1110 because of their proximity to the removal; buildings 1112 and 1118 should not be included.

It was determined that a full risk assessment will not be included in the FOSL but will be part of the remedial investigation (RI). The FOSL will include an abbreviated risk evaluation, which includes an explanation of "backyard risks" and potentially incorporates a land-use control to prohibit digging below 4 feet.

The goal was set for the FOSL draft to be completed at approximately the same time as the other technical memoranda, approximately September 30, 2000. Comments should then be received 2 weeks later, and the final draft will be completed at the end of October. Although the FOSL must be complete before occupancy, the group agreed that once air sampling is complete and the results do not show a concern, construction workers could be allowed to begin renovations before FOSL completion. Mr. Sullivan advised that the Navy should issue a letter to allow renovation.

#### **IV. Follow-up on Historical Evaluation for Treasure Island and Yerba Buena Island**

Ms. Wicke distributed the "AOCs from BRAC Historical Study" handout (See Attachment 4). This document provides an overview of building history and a recommendation for future action. Mr. Pascua requested that a column for an environmental baseline survey be added to the table. A request was also made to include a brief explanation as to why buildings were or were not included in the RI and the rationale for the recommendation for each area of concern (AOC). Mr. Lew Schalit of the Restoration Advisory Board (RAB) noted there were reports of valley fever on Treasure Island around World War II. The group decided that a working meeting was necessary for the AOCs and tentatively scheduled a meeting for Tuesday, September 26, 2000, from 9:30a.m. to 12:30 p.m. Mr. Bloom indicated that the table would be updated with additional rationale for each AOC and sent out 2 weeks prior to the September 26 meeting. TtEMI will send an email confirmation after the revised table is mailed.

#### **V. Corrective Action Plan and Pipeline Investigation Update**

Ms. Wicke provided a brief update on behalf of Neill Morgan-Butcher of TtEMI. Round-three sampling will commence next week. The Navy will propose additional work for total petroleum hydrocarbon (TPH) and nonpetroleum analytes in September. Ms. Raker of RWQCB posed a series of more detailed questions to Michael Bloom, which are outlined below.

Ms. Raker asked about the status of free product removals and what strategy the Navy had in managing the free product. Mr. Baur explained that because of limited funding, the following two approaches were being considered: (1) implement pilot removals at two sites or (2) prepare plans for full-scale removals that could be implemented in fiscal year 2001. Mr. Bloom stated he and Ms. Casados believe the best use of the limited current budget is to prepare plans for all sites so that plans can be reviewed and approved by the time additional funding becomes available, thus allowing the free product removals at all sites to move forward more quickly. The sites involved in this process include Installation Restoration sites 15, 14/22, and 24, pipeline sites D1 and F2, and the U.S. Coast Guard area.

Ms. Raker also asked about the status of the IR site 12 corrective action plan and asked for a letter giving the status of the Navy's position of TPH at IR site 12. Ms. Wicke reviewed the history of the TPH area near buildings 1311 and 1313 at IR site 12. Ms. Wicke indicated that the Navy's position was documented in a previous letter and that an updated status letter to Ms. Raker would be prepared on behalf of the Navy with the original letter as a reference.

#### **VI. Strategic Planning and Schedule**

Mr. Bloom distributed a "Summary of Upcoming Documents" (See Attachment 5). This sheet provides a tentative schedule for upcoming documents and allows the BCT to track the status of all documents. The group suggested that a column be added for "city" and "other" in the "response" section. It was understood that the dates included were tentative, though the group was supportive of the format.

Mr. Rist inquired as to when a schedule would be formally finalized and expressed concern that no schedule has been finalized for the Federal Facility Site Remediation Agreement (FFSRA) in the past. The group created the following schedule to progress towards establishing a formal schedule through the FFSRA:

- Complete first draft by August 31
- Review draft during BCT meeting September 12
- Present at RAB meeting September 19
- Final FFSRA Schedule by September 30

Mr. Rist indicated that the DTSC might want a schedule sooner than September 30. Mr. Rist asked about the RI and remedial action plan (RAP) for site 12, and Mr. Bloom stated that the site 12 RI and RAP would be included on the schedule. Mr. Rist asked that site 12 removal actions be included on the schedule based on funding considerations.

## **VII. RAB Meeting Agenda**

Mr. Sullivan distributed the agenda for the upcoming RAB meeting (See Attachment 6). The group agreed to move the "Strategic Plan and Schedule" to the September meeting and that discussion of the FOSL would also wait until then. Mr. Sullivan then distributed predraft minutes from the July RAB meeting as well as a copy of the SWDIV environmental web homepage (also included in Attachment 6), which he encouraged the group to visit.

## **VIII. Other Items**

Mr. Rist asked about lead-based paint around structures on Yerba Buena Island. Mr. Pascua indicated that progress was being made and the Navy should have something soon. Mr. Rist stated that DTSC will ask the Navy for a letter on how lead-based paint will be addressed around structures. He indicated that DTSC wants to understand how or whether data will be incorporated into an RI. Mr. Pascua indicated that a modified FOSL would be sent out by the end of the week and that a letter would be issued later for other areas.

Mr. Rist inquired as to the Navy's response to DTSC's position that the RI and feasibility study (FS) and RAP should be completed before a removal at debris areas. Mr. Sullivan replied that the Navy does not believe it is necessary to complete the RI/FS and RAP before conducting a removal and leasing units in debris areas. Mr. Rist then asked whether the Navy will take an action in the four remaining debris areas before completion of the RI/FS and RAP. Mr. Sullivan affirmed that the Navy plans to take action before completion of the RI/FS and RAP. Mr. Rist asked when work plans will be prepared for removals in the debris areas. Mr. Sullivan indicated that the schedule would depend on funding and that the Navy is beginning the process to obtain funds for the work plans. Mr. Rist asked how the removals would be conducted. Mr. Sullivan indicated the removals would be nontime-critical and explained that there would be prior public participation. Mr. Rist indicated that DTSC would go to formal dispute if the Navy proceeded with removals in the debris areas because there is not sufficient justification to conduct the removals before complete of the RI/FS and RAP.

## IX. Summarize Action Items

The group updated the previous action items and compiled a new list of action items based on present discussions. Revised versions of these tables are provided as follows:

### NEW ACTION ITEMS

Action Items	Responsibility	Status	Deadline
Update phone list	TtEMI	Complete	ASAP <sup>1</sup>
Distribute final former storage yard data	TtEMI	Complete	August 30
Update historical AOC table	TtEMI	In Progress	September 12
Compile action items list	All?	In Progress	September 12
Letters to DTSC regarding soils left in place at former storage yard	Navy	In Progress	August 30
Response letter to RWQCB	Navy/TtEMI	In Progress	TBD <sup>2</sup>
Indoor Air Sampling	Navy/TtEMI	In Progress	September 22
Work plan for offshore area	TtEMI	In Progress	September 22
Base wide schedule revision	Navy	In Progress	August 30
FOSL for lead-based paint at YBI <sup>3</sup>	Navy	Pending	August 9
Letter for lead-based paint at YBI	Navy	In Progress	August 31
Letter with rationale for allowing renovation at former storage yard	Navy	In Progress	August 31

<sup>1</sup> ASAP denotes As Soon As Possible

<sup>2</sup> TBD denotes To Be Determined

<sup>3</sup> YBI denotes Yerba Buena Island

### UPDATE ON EXISTING ACTION ITEMS

Action Items	Responsibility	Status	Deadline
Analysis of the soil gas data at Debris Disposal Area A	TtEMI	In progress	August 30, 2000
Provide correspondence regarding "bulge"	RWQCB	Complete	TBD
Schedule a working meeting prior to issuing offshore field sampling plan	Navy	Pending	July 11, 2000
Provide a list of specific concerns for Area G	RWQCB	Complete	TBD
Draft a letter for no further action sites	Navy	Pending	TBD
Contact CDFG <sup>4</sup> regarding Site 8	Navy	Pending	TBD
Provide feedback on pesticide sampling at Site 10	RWQCB	Pending	TBD
Check on reuse for Site 28	CCSF <sup>5</sup>	Pending	July 11, 2000
Determine a date for a meeting on debris disposal areas	Navy and DTSC	Pending Navy internal direction	June 22, 2000

### SUMMARY OF UPCOMING MEETINGS

Purpose	Date	Time	Location
RAB Meeting	August 15, 2000	7:00 p.m.	Building 271, TI <sup>6</sup>
BCT <sup>7</sup> Meeting	September 12, 2000	9:30 a.m.	TtEMI, San Francisco
RAB Meeting	September 19, 2000	7:00 p.m.	Building 271, TI
Historical Evaluation Meeting	September 26, 2000	9:30 a.m.	TtEMI, San Francisco

<sup>4</sup> CDFG denotes California Department of Fish and Game

<sup>5</sup> CCSF denotes City and County of San Francisco

<sup>6</sup> TI denotes Treasure Island

<sup>7</sup> BCT denotes Base Realignment and Closure Cleanup Team



## **ATTACHMENT 1**

1. Sign In Sheet
2. Agenda

TI BCT 8/8/00  
Sign-In Sheet

Name	Organization	Phone
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Maray Lysznowski	Tetra Tech Em	
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Jordie Bornstein	TEEMI	
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Lynne Srinivasan	Oribe + Assoc.	
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John Baur	IT	
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MICHAEL BLOOM	SWDIV	
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Gary Foote	Geomatrix	
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TONG TACTAY	SWDIV	
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Jerry Wickham	T+EMI	
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JAMES SULLIVAN	SWDIV NAVY	
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Sarah Raker	RWQCB	
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David Rist	DTSC	
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Angie Wicker	TEEMI	
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Marcelo Pasqua	SWDIV	
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**NAVAL STATION TREASURE ISLAND  
REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)  
REMEDIAL PROJECT MANAGERS/BRAC CLEANUP TEAM MEETING**

**AGENDA**

**Date:** Tuesday, August 8, 2000  
**Time:** 9:30 AM  
**Place:** Building 1, Treasure Island, California

9:30-10:00	<b>Item:</b>	<b>I. Update on Former Storage Yard Removal</b>
	<b>Opening:</b>	BCT
	<b>Process:</b>	Discuss the status and identify any outstanding issues regarding the removal action at the Former Storage Yard
	<b>Goal:</b>	To discuss and resolve any issues related to the removal action
10:00-10:30	<b>Item:</b>	<b>II. FOSL for the Former Storage Yard</b>
	<b>Opening:</b>	Navy
	<b>Process:</b>	Discuss the units to be included in the Former Storage Yard FOSL and any issues related to those units
	<b>Goal:</b>	Discuss any issues regarding completion of the FOSL for the Former Storage Yard
10:30-11:00	<b>Item:</b>	<b>III. Follow-up on Historical Evaluation for TI and YBI</b>
	<b>Opening:</b>	Navy
	<b>Process:</b>	Present and discuss the Historical evaluation table
	<b>Goal:</b>	To discuss the table and solicit feedback as to what the "next step" would be
11:00-11:15	<b>Item:</b>	<b>IV. CAP and Pipeline Investigations Update</b>
	<b>Opening:</b>	Navy
	<b>Process:</b>	Provide an update on the CAP and Pipeline Investigations
	<b>Goal:</b>	To inform the team on the status and any issues on the CAP and Pipeline Investigations
11:15-11:45	<b>Item:</b>	<b>V. Strategic Planning and Schedule</b>
	<b>Opening:</b>	Navy
	<b>Process:</b>	Provide an update on the strategic plan and schedule for TI
	<b>Goal:</b>	To discuss the Navy's plan and time frame to finalize the TI base wide schedules
11:45-12:00	<b>Item:</b>	<b>VI. RAB Meeting Agenda</b>
	<b>Opening:</b>	Navy
	<b>Process:</b>	Discuss the August 15th, 2000 RAB meeting agenda
	<b>Goal:</b>	To agree on the RAB agenda

12:00-12:15    Item:        **VII.    Other Items**  
                   Opening:    RPMs/BCT  
                   Process:    Provide an open forum to bring up topics of discussion

12:15-12:30    Item:        **VIII.   Summarize Action Items/Discuss Future Agenda Items**  
                   Opening:    RPMs/BCT  
                   Process:    Summarize action items and identify agenda items for next RPM/BCT meeting  
                   Goal:        To agree upon action items and agenda items

**Future RPM/BCT Meetings:**

September 11th, 2000 Location to be determined

**ACTION ITEMS**

Action Item	Responsibility	Status	Deadline
Analysis of the soil gas data at Debris Disposal Area A	TtEMI	Pending	August 30, 2000
Provide correspondence regarding "bulge"	RWQCB		To be determined (TBD)
Schedule a working meeting prior to issuing offshore FSP	Navy		July 11, 2000
Provide a list of specific concerns for Area G	RWQCB		TBD
Draft a letter for NFA sites	Navy		TBD
Contact CDFG regarding Site 8	Navy		TBD
Provide feedback on pesticide sampling at Site 10	RWQCB		TBD
Check on reuse for Site 28	CCSF		July 11, 2000
Check with management regarding separating sites from onshore RI to move them forward	Navy, DTSC, and RWQCB		July 11, 2000
Determine a date for a meeting on debris disposal areas	Navy and DTSC	Completed	June 22, 2000

Note: TBD denotes To Be Determined.

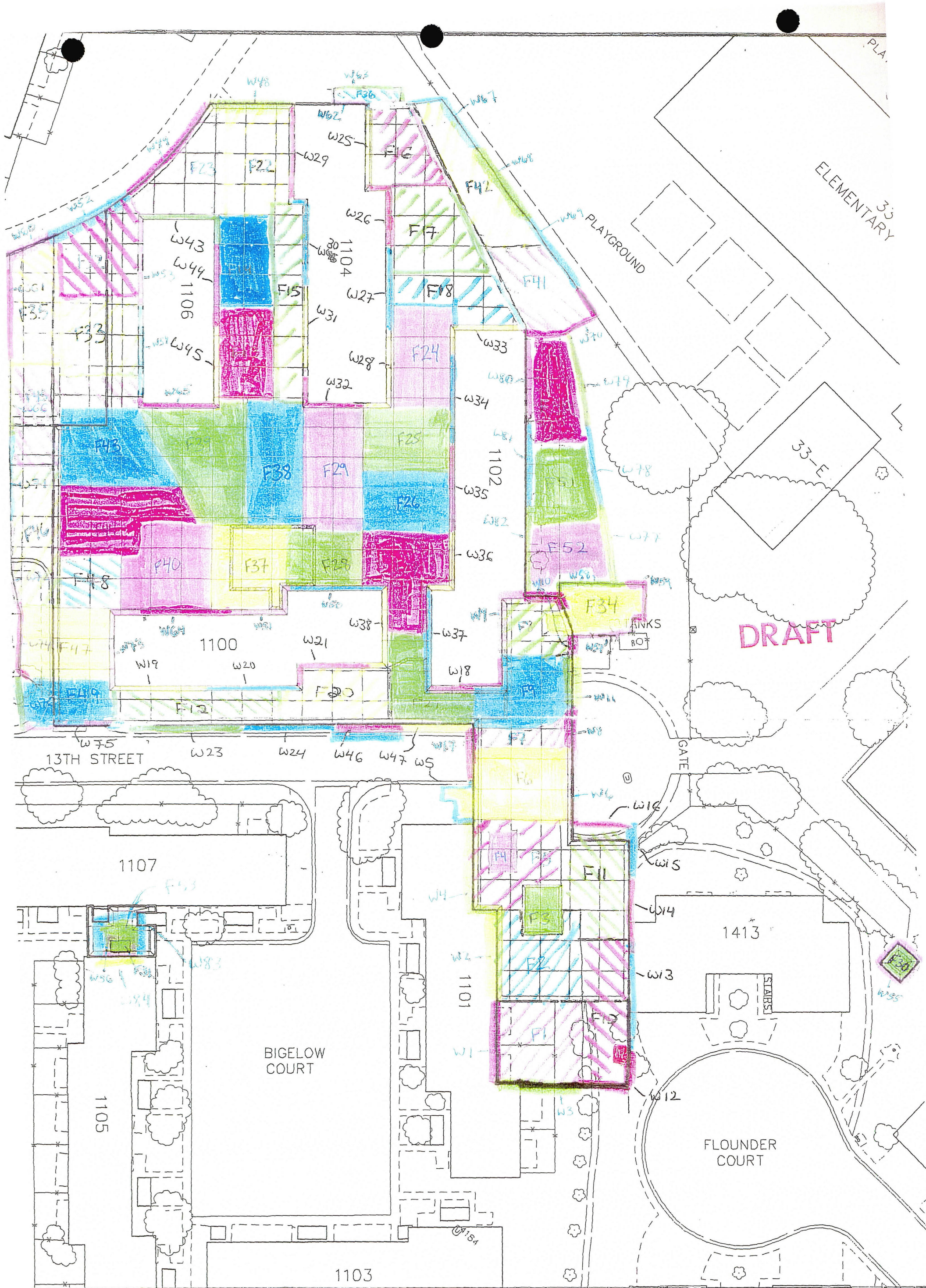
**UPDATE ON EXISTING ACTION ITEMS**

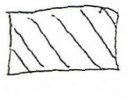
Action Item	Responsibility	Status	Deadline
Evaluate FOST of ECP Parcels 1, 3, and 4 internally. Schedule a meeting to discuss FOST.	Navy	Pending	TBD


## **ATTACHMENT 2**

1. Figure of IT Excavation
2. Former Storage Yard Confirmation Samples





 excavated to ~2.5 ft bgs (or less)

 excavated to ~4.0 ft bgs (or more)



FORMER STORAGE YARD  
CONFIRMATION SAMPLES  
PRELIMINARY UNVALIDATED DATA

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SAMPLE ID	LOCATION ID	DATE	AROCOR 1260 (MG/KG)	DESCRIPTION
2SB001	12SYW001	7/13/00	0.34	Sidewall behind 1101 Units E,F Avg Depth 1.5 ft (~40 feet)
12SB002	12SYW002	7/13/00	0.66	Sidewall behind 1101 Units C,D Avg Depth 1.5 ft (~40 feet)
32312SB003	12SYW003	7/13/00	0.499	Excavation wall at fence dividing 1101 F and 1101G Avg depth 1.5 ft (~40 feet)
32312SB004	12SYF001	7/13/00	ND	Floor behind 1101 Units E,F; Avg depth 2.6 ft (~40x40 sq ft)
32312SB005	12SYF002	7/13/00	ND	Floor behind 1101 Units C,D; Avg depth 2.6 ft bgs (~40x40 sq ft)
32312SB006	12SYW004	7/13/00	0.34	Sidewall behind 1101 Units A, B Avg depth 1.5 ft (~40 feet)
32312SB009	12SYF005	7/14/00	0.439	Floor behind 1101 Units A and B; average depth 2.5 ft bgs (~40x40 sq ft)
32312SB010	12SYF006	7/14/00	ND	Floor from behind edge of 1101 to midway through 13th Street; average depth 4.0 feet bgs (~45x35 sq ft)
32312SB011	12SYW005	7/17/00	1.1	Sidewall between 1101A and 13th street; avg depth 2' bgs; ~40 feet (odd shape)
32312SB012	12SYW006	7/14/00	0.748	Sidewall on southern half of 13th St. Circle; Average depth 1.7 feet bgs (~35 ft)
32312SB013	12SYF007	7/14/00	0.331	Floor on 13th St.; average depth 2.5 feet bgs (~500 square ft)
32312SB014	DUP of 13	7/14/00	0.4	Floor on 13th St.; average depth 2.5 feet bgs (~500 square ft)
32312SB016	12SYW008	7/14/00	0.242	Sidewall on eastern side of 13th St.; average depth 1.4 ft; (~24 feet)
32312SB017	12SYF008	7/14/00	0.717	Floor behind 1102, unit G; average depth 2.5 ft; (~650 square ft)
32312SB018	12SYW009	7/14/00		Sidewall behind 1102, alongside unit G south side of F; ave. depth 1.8 ft (~40 feet)
32312SB019	12SYW010	7/14/00	1.41	Sidewall behind 1102, along fence of unit F and W edge of transformer; ave. depth 1.4 feet (~40 ft)
32312SB020	12SYF009	7/15/00	0.926	Floor behind and to the southern side of unit 1102H; ave. depth 4 feet (~1600 square ft)
32312SB021	12SYF009	7/15/00	0.953	Floor behind and to the southern side of unit 1102H; ave. depth 4 feet (~1600 square ft)
32312SB022	12SYW011	7/15/00	1.21	Sidewall behind 1102, extending from transformer into 13th St. circle, ave. depth 2.1 ft (~26 ft)
32312SB023	12SYW012	7/16/00	0.155	Excavation wall; continuation of Wall 3; around turn next to 1413 driveway; avg depth 1.5 ft bgs (~38')
32312SB024	12SYW013	7/16/00	ND	Sidewall beside building 1413 and driveway; avg depth 1.5 feet bgs (~40 feet)
32312SB025	12SYW014	7/16/00	0.376	Excavation wall extending behind building 1413; avg depth 1.5 feet bgs (~40 feet)
32312SB026	12SYW015	7/16/00	0.198	Excavation wall; extension of wall 14 to corner (edge of 13th st court); avg depth 1.5 feet bgs (~28 feet)
32312SB027	12SYW016	7/16/00	ND	Excavation wall within 13th street court; avg depth 1.5 feet bgs (~30 ft)
32312SB028	12SYF010	7/16/00	0.13	Floor adjacent to 1413 driveway and building; avg depth 2.6 feet bgs (~30 feet by 50 ft)
32312SB029	12SYF011	7/16/00	ND	Floor adjacent to grassy area behind 1413; avg depth 2.5 feet bgs (~30 ft by 40 ft)
32312SB030	12SYW017	7/17/00	0.79	Excavation wall along end of 13th Street by light pole; avg depth 2 ft bgs; ~35 ft
32312SB031	12SYW018	7/17/00	0.43	Sidewall of 1102, southern end; avg depth 2 ft bgs; ~40 ft
32312SB032	12SYW019	7/17/00	0.97	Sidewall of 1100, facing 13th street; avg depth 1.8 ft bgs; ~40 ft
32312SB033	12SYW020	7/17/00	3.2	Sidewall of 1100, facing 13th street; avg depth 2 ft bgs; ~40 ft
32312SB034	DUP OF 33	7/17/00	0.35	Sidewall of 1100, facing 13th street; avg depth 2 ft bgs; ~40 ft
32312SB035	12SYW021	7/17/00		Sidewall of 1100, facing 13th street; avg depth 1.7 ft; ~40 ft
32312SB037	12SYW023	7/17/00	0.792	Excavation edge; along sidewalk of 13th Street; avg depth 1.7 ft bgs; ~40 ft
32312SB038	12SYW024	7/17/00	0.149	Excavation edge; along sidewalk of 13th Street; avg depth 1.7 ft bgs; ~40 ft
32312SB039	12SYF012	7/17/00	0.213	Floor between building 1100 and 13th street; avg depth 2.5' bgs; ~20' x 80'
32312SB040	12SYW025	7/18/00	0.27	Sidewall of 1104, facing 1102; avg depth 1.8 ft bgs; ~40 ft
32312SB041	12SYW026	7/18/00		Sidewall of 1104, facing 1102; avg depth 2 ft bgs; ~40 ft
32312SB042	12SYW027	7/18/00	1.1	Sidewall of 1104, facing 1102; avg depth 2 ft bgs; ~40 ft
32312SB043	12SYW028	7/18/00	2.8	Sidewall of 1104, facing 1102; avg depth 1.8 ft bgs; ~40 ft
32312SB044	12SYW029	7/18/00	4.1	Sidewall of 1104, facing 1106; avg depth 2 ft bgs; ~40 ft
32312SB045	12SYW030	7/18/00	0.13	Sidewall of 1104, facing 1106; avg depth 1.8 ft bgs; ~40 ft
32312SB046	12SYW031	7/18/00		Sidewall of 1104, facing 1106; avg depth 2 ft bgs; ~40 ft
32312SB047	DUP OF 46	7/18/00		Sidewall of 1104, facing 1106; avg depth 2 ft bgs; ~40 ft
32312SB048	12SYW032	7/18/00	1.43	Sidewall of 1104; corner; avg depth 2 ft bgs; ~40 ft
32312SB049	12SYW033	7/18/00	0.538	Sidewall of 1102; northern edge; avg depth 2 ft bgs; ~40 ft
32312SB050	12SYW034	7/18/00	3.21	Sidewall of 1102, facing 1104; avg depth 2 ft bgs; ~40ft
32312SB051	12SYW035	7/18/00	2.88	Sidewall of 1102, facing 1104; avg depth 2 ft bgs; ~40ft
32312SB052	12SYW036	7/18/00	0.738	Sidewall of 1102, facing 1104; avg depth 2 ft bgs; ~40ft
32312SB053	12SYW037	7/18/00	1.08	Sidewall of 1102, facing 1104; avg depth 2.5 ft bgs; ~40ft
32312SB054	12SYW038	7/18/00		Sidewall of 1100, facing 1102; avg depth 2 ft bgs; ~40 ft
32312SB059	12SYW043	7/18/00	ND	Sidewall of 1106, facing North; avg depth 2 ft bgs; ~40 ft
32312SB060	12SYW044	7/18/00	0.9	Sidewall of 1106, facing 1104; avg depth 2 ft bgs; ~40 ft
32312SB061	12SYW045	7/18/00	0.2	Sidewall of 1106, facing 1104; avg depth 2 ft bgs; ~40 ft
32312SB062	DUP OF 61	7/18/00	0.16	Sidewall of 1106, facing 1104; avg depth 2 ft bgs; ~40 ft
32312SB063	12SYF013	7/18/00	1.5	Floor between buildings 1104 and 1106; depth is 4 feet bgs; ~35'x40'
32312SB064	12SYF014	7/18/00	1.7	Floor between buildings 1104 and 1106; depth is 4 feet bgs; ~35'x40'
32312SB065	12SYF015	7/18/00	0.133	Floor between buildings 1104 and 1106, adjacent to 1104; ~15'x100'
32312SB066	12SYF016	7/18/00	0.196	Floor behind building 1104 A, B; avg depth 2.5 feet bgs; ~1500 sq ft
32312SB067	12SYF017	7/18/00	0.12	Floor behind building 1104 C, D; avg depth 2.5 ft; ~1600 sq ft
32312SB068	12SYF018	7/18/00	0.473	Floor behind building 1104; avg depth 2.5 ft; ~1600 sq ft
32312SB070	12SYW046	7/19/00	102/166	Excavation edge at 13th Street
32312SB071	12SYW047	7/19/00	0.36	Excavation edge at 13th Street
32312SB072	12SYF020	7/19/00	ND	Floor behind 1100; avg depth 2.5 ft bgs; ~1400 sq ft
32312SB073	DUP of 72	7/19/00		Floor behind 1100; avg depth 2.5 ft bgs; ~1400 sq ft
32312SB074	12SYF021	7/19/00		Floor between 1100 and 1102; 4 ft bgs; ~1500 sq ft
32312SB075	12SYW048	7/20/00	0.255	Sidewall on north end of excavation between 1104 and sidewalk, avg depth 1.4 ft bgs; ~42 ft in length
32312SB076	12SYW049	7/20/00	ND	Sidewall on north end of excavation along sidewalk north of 1106, avg depth 1.1 ft bgs; ~44 ft in length
32312SB077	12SYF022	7/20/00	0.417	Floor on north end of excavation, west of 1104, avg depth 2.5 ft bgs; ~55'x30'
32312SB078	12SYF023	7/20/00	ND	Floor on north end of excavation between 1106 and sidewalk, avg depth 2.5 ft bgs; ~1600 sq ft
32312SB079	12SYF024	7/20/00		Floor between buildings 1102 and 1104, avg depth 4 ft bgs, ~50'x30'
32312SB080	12SYF025	7/20/00		Floor in front of 1102, units B and C, avg depth 4 ft bgs, ~45'x30'
32312SB081	12SYF026	7/20/00		Floor in front of 1102, units D and part of E, avg depth 4 ft bgs, ~45'x30'
32312SB082	12SYF027	7/20/00		Floor in front of 1102, units E, F, and G, avg depth 4 ft bgs, ~1600 sq ft
32312SB083	12SYF028	7/20/00		Floor in front of 1100, units A and B, avg depth 4 ft bgs, ~30'x40'
32312SB084	DUP of 83	7/20/00		Floor in front of 1100, units A and B, avg depth 4 ft bgs, ~30'x40'
32312SB085	12SYW050	7/21/00	2.53	Wall segment in front of 1100, units A and B, avg depth 2.0 ft bgs, ~40 ft

DRAFT



FORMER STORAGE YARD  
CONFIRMATION SAMPLES  
PRELIMINARY UNVALIDATED DATA  
Page 2 of 2

DRAFT

SAMPLE ID	LOCATION ID	DATE	AROCLOR 1260 (MG/KG)	DESCRIPTION
32312SB086	12SYW051	7/21/00	126	Wall segment on the side of 1100-B and in front of 1100-C and part of 1100-D, avg depth 1.7 ft bgs, ~38 ft
32312SB087	12SYF029	7/21/00		Floor extending from 1104F south 60', avg depth 4 ft bgs, ~60'x30'
32312SB088	12SYW052	7/21/00	0.193	Wall along sidewalk on N end of excavation, NW of 1106, avg depth 0.7', ~40 ft in length
32312SB089	12SYW053	7/21/00	0.719	Wall along back of 1106-C and 1106-D, avg depth ~0.8 ft bgs, ~45 ft in length
32312SB090	12SYW054	7/21/00	0.599	Wall along back of 1106-A and 1106-B, avg depth ~1.2 ft bgs, ~45 ft in length
32312SB091	12SYF030	7/22/00		Floor in small excavated area between 1413 and 1411, avg depth 4 ft bgs, ~10 sq ft
32312SB092	12SYW055	7/22/00	ND	Wall around small excavated area between 1413 and 1411, avg sample depth 2 ft bgs, ~14' in total length
32312SB093	12SYF031	7/22/00		Floor in small excavated area on N end of 1105-H, avg depth 4 ft bgs, ~10 sq ft
32312SB094	12SYW056	7/22/00	7.72 (Aroclor 1242)	Wall around small excavated area on N end of 1105-H, avg sample depth 2 ft bgs, ~14' in total length
32312SB095	12SYW056-DUP	7/22/00	8.78 (Aroclor 1242)	Wall around small excavated area on N end of 1105-H, avg sample depth 2 ft bgs, ~14' in total length
32312SB096	12SYF032	7/22/00	0.474	Floor behind 1106-D and 1106-C, avg depth ~1.5 ft bgs, ~1600 sq ft
32312SB097	12SYF033	7/22/00	1.32	Floor behind 1106-B and 1106-A, avg depth ~1.5 ft bgs, ~40'x40'
32312SB098	12SYF034	7/22/00		Floor behind 1102-F and 1102-G, extended area past transformers, avg depth 4 ft bgs; ~1100 sq ft
32312SB099	12SYW057	7/22/00	1.24	Wall on S side of step out area, along transformer behind 1102-G, avg sample depth ~2 ft bgs, ~40' long
32312SB100	12SYW058	7/22/00	0.759	Wall on north side of step out area, behind 1102-F, avg sample depth ~2 ft bgs, ~40' long
32312SB101	12SYW059	7/22/00	0.367	Wall on east side of step out area, behind 1102-F,G, avg sample depth ~2 ft bgs, ~35' long
32312SB102	12SYW060	7/23/00	0.373	Wall on northwestern corner of excavation, avg sample depth ~0.8 ft bgs, ~40' long
32312SB103	12SYW061	7/23/00	ND	Wall on W edge of excavation, from near N border to 1108-D, avg sample depth ~0.7 ft bgs, ~40' long
32312SB104	12SYF035	7/23/00	ND	Floor area in NW corner of excavation, from sidewalk to 1108-D, avg depth ~1.5 ft bgs, ~1600 sq ft
32312SB105	12SYW062	7/23/00	0.416	Wall on W and S sides of small excavated area N of 1104-A; avg sample depth ~1.4' bgs; ~40' long
32312SB106	12SYW063	7/23/00	0.431	Wall on N and E sides of small excavated area N of 1104-A; avg sample depth ~1.4' bgs; ~40' long
32312SB107	12SYF036	7/23/00	ND	Floor of small excavated area N of 1104-A; avg depth ~2.5' bgs; ~230 sq ft
32312SB108	12SYW064	7/23/00		Wall in front of units 1100-D, E, and part of F; avg sample depth ~2 ft bgs; ~40' long
32312SB109	12SYW064	7/23/00		Wall in front of units 1100-D, E, and part of F; avg sample depth ~2 ft bgs; ~40' long
32312SB110	12SYF037	7/24/00	384	Floor in front of unit 1100-C and part of 1100-B and 1100-C; avg depth 3.7' bgs; ~1600 sq ft
32312SB111	12SYF038	7/24/00		Floor in Halyburton Ct. south of frontyards of 1104; avg depth 3.7' bgs; ~1600 sq ft
32312SB112	12SYW065	7/24/00	0.444	Wall on south side of 1106-A; avg sample depth 1.8' bgs; ~40 ft long
32312SB113	12SYF039	7/24/00		Floor on Halyburton Ct. from 1106 cutting back towards 1100-D; avg depth 3.7' bgs; ~1700 sq ft
32312SB114	12SYF040	7/24/00		Floor in front of 1100-E and 1100-F part of 1100-D; avg depth 3.7' bgs; ~1600 sq ft
32312SB115	12SYW066	7/24/00	0.247	Wall along W fence, in front of 1108-C and 1108-D; avg sample depth ~0.7 ft bgs; ~40 ft
32312SB116	12SYF041	7/24/00	ND	Floor in extended area in NE corner, from 1102 to school fence; avg depth ~1.5' bgs; ~1600 sq ft
32312SB117	12SYF042	7/24/00	0.131	Floor in extended area in NE corner, from 1104 to school fence; avg depth ~1.5' bgs; ~1600 sq ft
32312SB118	12SYW067	7/24/00	0.417	Wall in extended area in NE corner, from 1104 to school fence; avg sample depth ~0.8' bgs; ~45' long
32312SB119	12SYW068	7/24/00	0.213	Wall in extended area in NE corner, along school fence; avg sample depth ~0.8' bgs; ~43' long
32312SB120	12SYW069	7/24/00	0.239	Wall in extended area in NE corner, along school fence; avg sample depth ~0.8' bgs; ~43' long
32312SB121	12SYW070	7/24/00	0.371	Wall in extended area in NE corner, from 1102 to school fence; avg sample depth ~0.8' bgs; ~50' long
32312SB122	12SYF043	7/25/00		Floor in Halyburton Ct., extending S and W from SW corner of 1106; avg depth 4 ft bgs; ~1600 sq ft
32312SB123	12SYF043	7/25/00		Floor in Halyburton Ct., extending S and W from SW corner of 1106; avg depth 4 ft bgs; ~1600 sq ft
32312SB124	12SYF044	7/25/00		Floor in Halyburton Ct., E of 1108-A; avg depth 4 ft bgs; ~1600 sq ft
32312SB125	12SYF045	7/25/00	1.51	Floor in Halyburton Ct., from 1106 to W fence, and S along W fence; avg depth 1.5 ft bgs; ~1600 sq ft
32312SB126	12SYW071	7/25/00	1.12	Wall along W excavation fence in front of 1108-B, C and A; avg sample depth ~0.8 ft bgs; ~40 ft long
32312SB127	12SYW072	7/25/00	4.64E	Wall along W excavation fence from 1108-A to 1110; avg sample depth ~0.7 ft bgs; ~40 ft long
32312SB128	12SYF046	7/25/00	7.04E	Floor along W excavation fence, from 1108-B to 1110; avg depth 1.5 ft bgs; ~1600 sq ft
32312SB130	12SYW073	7/26/00	45	Wall in front of and on side of 1100-F; avg sample depth ~1.7 ft bgs; ~45 ft in length
32312SB131	DUP of 130	7/26/00		Wall in front of and on side of 1100-F; avg sample depth ~1.7 ft bgs; ~45 ft in length
32312SB132	12SYW074	7/26/00	4.82	Wall along W side of excavation and 1110-A; avg sample depth ~1.2 ft bgs; ~40 ft in length
32312SB133	12SYW075	7/27/00	1.18	Excavation edge along 13th St. between Bldgs 1100/1110; avg sample depth ~2 ft bgs; ~40 ft in length
32312SB134	12SYW076	7/27/00	0.0907	Excavation edge along back yard of 1110A; avg sample depth ~2 ft bgs; ~30 ft in length
32312SB135	12SYF048	7/27/00	ND	Floor between F46 and F40; ~20'x20 ft; 2.5 foot depth (sampled with auger; already backfilled)
32312SB136	12SYF047	7/27/00		Floor between 1100 and 1110; ~50 by 30 ft; 4 foot depth
32312SB137	12SYF047	7/27/00		Floor between 1100 and 1110; ~50 by 30 ft; 4 foot depth
32312SB138	12SYW046R	7/28/00	0.196	Wall 46 extended one bucket width; 2 ft avg depth; 30 ft long
32312SB139	12SYW010R	7/28/00	ND	Wall 10 portion along backyard of 1102; ~2 ft depth; 20 ft long; (2 point composite, not 4)
32312SB140	12SYW011R	7/28/00	ND	Wall 11; next to transformer; ~2 ft depth; 40 ft long; potholed with backhoe (4 point composite)
32312SB141	12SYF049	7/28/00		Floor between F47 and 13th Street; ~30ft by 50 ft; 4 feet deep
32312SB142	12SYW077	7/31/00	0.147	Excavation edge behind building 1102; extending north from transformer; ~2.5 ft avg depth; 40 ft long
32312SB143	12SYW078	7/31/00	ND	Excavation edge behind building 1102; adjacent to wall 77; ~2.5 ft avg depth; 40 ft long
32312SB144	12SYW079	7/31/00	ND	Excavation edge behind building 1102; north end; ~ 2.5 ft bgs, 40 ft long
32312SB145	12SYW080	7/31/00	ND	Sidewall of building 1102, facing school behind units A, B; ~2.5 ft bgs; ~40 ft long
32312SB146	12SYW081	7/31/00	0.169	Sidewall of building 1102, facing school, south of wall 81; ~2.5 ft bgs, ~40 ft long
32312SB147	12SYW082	7/31/00	0.133	Sidewall of building 1102, facing school, adjacent to wall 81; ~2.5 ft bgs, ~40 ft long
32312SB148	12SYF050	7/31/00	0.11	Floor behind building 1102, between sidewalk 80 and wall 79; 4 ft deep; ~ 50 by 30 feet
32312SB149	12SYF051	7/31/00		Floor behind building 1102, between sidewalk 81 and wall 78; 4 ft deep; ~40 by 40 feet
32312SB150	12SYF052	7/31/00		Floor behind building 1102, between sidewalk 82 and wall 77; 4 feet deep; ~ 40 by 40 feet
32312SB151	DUP of 150	7/31/00		Floor behind building 1102, between sidewalk 82 and wall 77; 4 feet deep; ~ 40 by 40 feet
32312SB152	12SYW083	8/1/00		Excavation edge/3 sides of hot spot between buildings 1105 and 1107; avg depth 2.5 ft; length 40 ft
32312SB153	12SYF053	8/1/00		Floor of hot spot between 1105 and 1107; 4 feet deep; 14 by 13 feet
32312SB155	12SYW084	8/1/00		Sidewall of building 1105; 2.5 feet depth; 14 feet long; 4 point composite - sent to lab
32312SB156	12SYF045R	8/1/00		Floor 45 re-take; area excavated to 4 feet bgs; area between 1108 and 1106
32312SB157	12SYW071R	8/1/00		Wall 71 re-take; wall in front of building 1108
32312SB158	12SYW072R	8/1/00		Wall 72 re-take; wall in front of building 1108, extending to building 1110
32312SB159	12SYF046R	8/1/00		Floor 46 re-take; area excavated to 4 feet bgs; area in front of 1108 and north of 1110
32312SB160	12SYW075R	8/1/00		Wall 75 re-take; wall at the intersection of Halyburton Court and 13th street, along 13th street

### **ATTACHMENT 3**

#### **1. Figure of Proposed FOSL Areas**





# LEGEND

- MONITORING WELL LOCATION
- HYDRAULIC PUNCH LOCATION
- SOIL BORING LOCATION
- SURFACE SOIL LOCATION
- 1996 GEOPROBE LOCATION
- 1997 GEOPROBE LOCATION

12 IR SITE

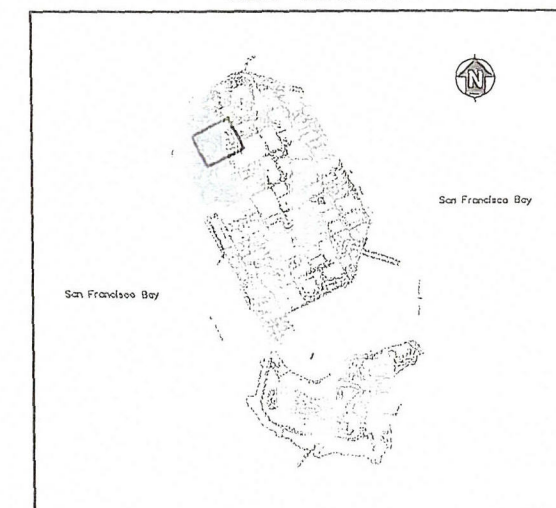
- APPROXIMATE IR SITE 12 BOUNDARY
- AREA OF CONCERN (AOC) - FORMER STORAGE YARD BOUNDARY
- FENCE LINE

PCB < 1 mg/kg OR  
BAP EQUIVLENTS < 620

PCB => 1 mg/kg OR  
BAP EQUIVLENTS > 620

- BUILDING PROPOSED FOR LEASE
- OCCUPIED BUILDING
- PCB REMOVAL AREA

## VIEW LOCATION



40 0 40 80  
SCALE IN FEET

DEPARTMENT OF THE NAVY  
ENGINEERING FIELD ACTIVITY WEST  
SAN BRUNO, CALIFORNIA  
NAVAL STATION TREASURE ISLAND  
SAN FRANCISCO, CALIFORNIA

PROPOSED FOSL AREAS

DRAFT



#### **ATTACHMENT 4**

1. AOCs from BRAC Historical Study

Bldg. No.	Map Quad (*1)	Use of Concern	Dates of Use	Current Bldg. No.	Covered in RI?	IR Site Number	Covered in PA/SI?	Navy Recommendation
<b>YERBA BUENA ISLAND</b>								
NA	G22	Hospital (the old Dowling house)	Pre-1891					No Action
11	G21	Main barracks and galley; Classrooms, (including Ordnance)	1900 - 1945		No			No Action
11D	G21	Blacksmith shop and paint shop	1900 - 1929		No			Additional Research
12	G21	Swimming Tank	1900 - 1959					No Action
14/214	G20	(Waterfront Area, Fig 2-3) Power (boiler) house for Main Barracks	1907 - 1937		No	Pipeline Invest.	Yes	Investigation Underway
14A	G20	Machine Shop	1906 - 1938		No			No Action
14B	G20	Powerhouse storeroom	1920 - ~1945		No			No Action
21	K22	Pharmaceutical and chemical lab, medical department	1918 - ~1929		No			No Action
22	K21	Medical school, library, X-Ray room	1918 - ~1929		No			No Action
23	K21	Medical school and bacteriological laboratory	1918 - ~1929		No			No Action
25	J21-K21	Dispensary	1908 - 1934		No			No Action
26	J21-K21	Hospital boiler house	1911 - 1937		No			No Action
31/204	F22	Blacksmith shop for Building 29	1929 - 1934		Yes	Site 11		Investigation Complete
33	F21	Hose cart and chemical shack south of US Army Storehouse	1916 - 1940		No			No Action
38/204	F22	Ordnance school	1917 - 1929		Yes	Site 11		Invest. Complete
41	F22	Blacksmith shop	1940 - 1945		Yes	Site 11		Invest. Complete
46/216	G23	Receiving ship paint and blacksmith shop	1905 - 1940		No - USCG	UST 270		Investigation Underway
		Auto shed	1940 - ~1945					Investigation Underway
47	H24	Receiving ship boiler house	1918 - 1952		No - USCG	UST 270		Investigation Underway
70A	H23	Kitchen and heating plant for Building 70	1917 - ~1945		No - USCG	UST 270	Yes	Investigation Underway
71A	G24	Gasoline pump house	1920 - 1938		No - USCG	Pipeline Invest.		Investigation Underway
74B	F23	Paint locker and latrine	1918 - ~1961		No - USCG			Additional Research
75	G22	Carpenter shop	1918 - 1970	75	No			No Action
77/200	G20	2300 volt transformer house (upper lever)	1918 - 1929	200	No			Additional Research
		Sterilizer house (lower level)						
		2300 volt transformer house (upper lever)	1929 - 1945					Additional Research
		Automobile pit (lower level)						
82	G20	Addition to transformer station	1918 - 1932		No			Additional Research
90	I21	Wash house and latrine at Meningococcus disease isolation camp	1918 - ~1929		No			No Action
118	J23	(atop the Communication Complex) Transformer house	1922 - Present (*2)	118	No			Additional Research
122	G20	(behind Main Barracks and Waterfront Area) Transformer house	~1929 - ~1943		No			Additional Research
123	H22	Paint shop	1919 - ~1961		Yes	Site 29		Invest. Complete
126	H24	Transformer house and moving picture storehouse	1922 - ~1970		No - USCG			Additional Research
127	G24	Machine shop and tool room	~1929 - ~1945		No - USCG			Additional Research
128	G24	Shed for chemical cart	~1929 - ~1943		No - USCG			Additional Research
144	F21	Incinerator	1891 - ~1970	245	No			Additional Research
169	G20	Oil tank #1	~1916 - Present	169	Yes	AST-169	Yes	Invest. Complete
170	G20	Oil tank #2	~1916 - Present	170	Yes	AST-170	Yes	Invest. Complete
171	K22	Oil tank #3	1917 - ~1943		No	Pipeline Invest.		Invest. Complete
172	H24	Oil tank #4	~1929 - ~1943		No - USCG	Pipeline Invest.		Investigation Underway
181	L18	Gasoline storage tanks	1939 - ~1970		Yes	AST-181	Yes	Invest. Complete
182	L18	Gasoline pump house	1939 - ~1970		Yes	Site 16	Yes	Invest. Complete
202	G22	Paint shop and oil storage	Unknown - ~1945		No			Additional Research

Bldg. No.	Map Quad (*1)	Use of Concern	Dates of Use	Current Bldg. No.	Covered in RI?	IR Site Number	Covered in PA/SI?	Navy Recommendation
208	F22	Gasoline station	1939 - ~1961		Yes	Pipeline Invest.	Yes	Investigation Underway
212	F22	Garbage Incinerator	1922 - 1928		Yes	Site 11		Invest. Complete
231	F22	Incinerator	1944 - ~1961		Yes	Site 11	Yes	Invest. Complete
236	G22	Gas storage, bag storage	1944 - ~1969		No			No Action
255	L22	Chlorinator (San Francisco pipeline)	1947 - Present	255	No			Still in Use
261	K21	Chlorinator (Oakland pipeline)	1948 - Present	261	No			Still in Use
262	D21	Torpedo (Mine) Assembly Building (Army)	1891 - 1953	262	No			Additional Research
266	F21	Storage, Torpedo Tank House	1891 - 1953		No			Additional Research
270	F22	Heating Plant (HVAC)	~1961 - Present	270	No			Still in Use
271	F22	Imhoff Tank (part of sewage system)	~1961 - ~1992		Yes	Site 11		Invest. Complete
272	F22	Sewage Lift Station	~1961 - ~1992		Yes	Site 11		Invest. Complete
NA	I20	Powder Magazine	1929 - ~1935		No			No Action
NA	F21-F22	Dump	1929 - ~1943		Yes	Site 11		Invest. Complete
NA	L20	Targets for small arms	1916 - ~1948		No			Additional Research
PIER 3	G20	Fueling Pier (definitely handled oil, gasoline, and kerosene)	~1916 - ~1992		No	Pipeline Invest.	Yes	Invest. Complete
ARMY PIER	D21	Torpedo (Mine) Loading Pier	1891 - ~1961		No	Site 13		Invest. Complete
NA	F21	Photog (photography[?]) Building	1919 - ~1935		No		Yes	No Action
<b>TREASURE ISLAND</b>								
1	J15	District Publications and Printing Office	1945 - 1960	1	Yes	Bldg 1 Tanks	Yes	Invest. Complete
2	H15	Hangar	1938 - 1946	2	Yes	Site 25	Yes	Invest. Complete
3	F15	Ship Repair Shops	1945 - 1952	3	Yes	Site 21	Yes	Invest. Complete
4	C6	Diesel oil and gas storage tank	1942 - Present	4	Yes	Site 14	Yes	Invest. Complete
5	C6	Diesel Oil Tank	1942 - Present	5	Yes	Site 14	Yes	Invest. Complete
6	C6	Gasoline storage tanks	1942 - Present	6	Yes	Site 14	Yes	Invest. Complete
41	G15	Small Arms	1945 - 1948	41	Yes	Site 9		Invest. Complete
		Forge and foundry	1948 - 1952	41			Yes	Invest. Complete
		Paint shop	1952 - 1988	41			Yes	Invest. Complete
69	D10	Engineers and Shipfitters Shop	1942 - 1948	69	Yes	Site 24A	Yes	Invest. Complete
		Hobby shop, garage, storage, public toilets	1948 - Present	69			Yes	Invest. Complete
70	I7	Gear locker and storage for the Fire Department	1942 - Present	70	No		Yes	Invest. Complete
85	C6	Diesel Oil Clarifier and Pump Station (Supply Department)	1943 - Present	85	Yes	Site 14	Yes	Invest. Complete
96	E11	Printing plant	1961 - Present	96	Yes	Site 24A		Invest. Complete
99	F11	Laundry and dry cleaners	1966 - 1977	99	Yes	Site 24A	Yes	Invest. Complete
		Government printing shop, Disaster preparation storage	1988 - Present	99			Yes	Invest. Complete
103	F11	Fuel Oil Tank	1942 - Present	103	Yes	Site 17	Yes	Invest. Complete
105	F11	Oil Pump House	1943 - Present	105	Yes	Site 17	Yes	Invest. Complete
111	F15	Fire house #1	1938 - 1970	111	Yes	Site 21		Invest. Complete
		Fire station #2	1970 - 1993	111				Invest. Complete
129	H11	Jeep garage	1948 - 1961	129	No		Yes	No Action
131	H11	Medical/Dental Storage	1948 - Present	131	No			Still in Use
141	G15	Carpenter Shop and storage	1952 - 1994	141	Yes	Site 25		Invest. Complete
143	H16	Gasoline Pump House	1941 - 1948	143	Yes	Site 25		Invest. Complete
		Hazardous Material Locker (*3)	1948 - Present	143				Still in Use
153	K12	(east of Bld 453) Transformer Station and Sump Pump #20	~ 1988 - Present	153	No			Still in Use

Bldg. No.	Map Quad (*1)	Use of Concern	Dates of Use	Current Bldg. No.	Covered in RI?	IR Site Number	Covered in PA/SI?	Recommendation
157	I7	Fire House #2	1943 - 1970	157	No			Still in Use
		Fire Station #1	1970 - Present	157				Still in Use
180	J15	1st Lieutenant ("self help" service), PWC Transportation Shop	1946 - Present	180	Yes	Tanks - 180	Yes	Invest. Complete
216	D7	Recreation vehicle storage (MWR)	1973 - Present	216	No			Still in Use
225	J7	Gun shed	1944 - 1952	225	Yes	Site 20		Invest. Complete
		Auto Hobby Shop garage	1961 - Present	225		Site 20	Yes	Invest. Complete
230	E11	Shop Mobile Ordnance Technical Unit, Nine (MOTU)	1970 - Present	230	Yes	Site 24A		Invest. Complete
233	D13	Laboratory	1977 - 1994	233	No		Yes	No Action
248	E4	Pump House	1944 - Present	248	Yes	Site 6		Invest. Complete
site of 257	H8	Skeet range at site prior to construction Bldg. 257	1942 - 1944	257	Partly			No Action
261	E9	Gym, pool, and bowling alley	1944 - Present	261	No			Still in Use
289	F16	Shop	1948 - 1969	289	Yes	Site 21		Invest. Complete
		Port Operations paint storage	1969 - Present	289				Invest. Complete
292	E4	Storage shed (Pest Control Shop)	1944 - Present	292	No		Yes	No Action
325	F16	Battery Shop and storage	1945 - 1970	325	Yes	Site 21		Invest. Complete
325	F16	Pest Control Shop	1970 - Present	325	Yes	Site 21		Invest. Complete
328	C6	Transformer House	1945 - Present	328	Yes	Site 14/22		Invest. Complete
330	C5	Navy Exchange Gas Station	1948 - Present	330	Yes	Site 22	Yes	Invest. Complete
330	C5	Grounds Maintenance Shop	1973 - Present	330	Yes	Site 22	Yes	Invest. Complete
335	C5	Paint shop, grounds maintenance (*4)	1948 - Present	335	Yes	Site 10	Yes	Invest. Complete
342	D11	NTTC Radiac Instruction	1951 - Present	342	Yes	Site 4	Yes	Invest. Complete
343	D11	NTTC Radiac Instruction	1951 - Present	343	Yes	Site 4	Yes	Invest. Complete
344	D11	Radium and Radiac Vault	1951 - Present	344	Yes	Site 4	Yes	Invest. Complete
346	G15	Radio Transmitting Station	1950 - 1994	346	Yes	Site 25		Invest. Complete
347	G15	Gun mount	1951 - Present	347	Yes	Site 25		Invest. Complete
355	G16	Sandblast Shed	1961 - Present	355	No		Yes	Still in Use
374	I8	Sump House	1944 - Present	374	No			Still in Use
377	E7	Sump House	1944 - Present	377	No			Still in Use
378	F10	Sump House	1944 - Present	378	Yes	Site 24A		Invest. Complete
379	F10	Paint and HazMat Locker	1956 - Present	379	Yes	Site 24A	Yes	Invest. Complete
380	I12	Sump House	1944 - Present	380	No			Still in Use
382	D12	Sump House	1959 - Present	382	Yes	Site 24B		Invest. Complete
385	G15	Skeet Range Building	1944 - Present	385	Yes	Site 25		Invest. Complete
390	E11	Sump House	1944 - Present	390	Yes	Site 24B		Invest. Complete
393	F9	Sump House	1944 - Present	393	No			Still in Use
394	G14	Sump House	1944 - Present	394	No			Still in Use
395	G13	Sump House	1944 - Present	395	No			Still in Use
396	E14	Sump House	1944 - Present	396	Yes	Site 15		Invest. Complete
416	D4	Wastewater Treatment Facility - Digester Tank	1961 - Present	416	Yes	Site 6		Invest. Complete
417	D4	Wastewater Treatment Facility - Sedimentation Tank	1961 - Present	417	Yes	Site 6		Invest. Complete
440	I14	Sump House	1942 - Present	440	No			Still in Use
443	D11	Sump House	1943 - Present	443	Yes	Site 24A		Invest. Complete
444	G12	Sump House	1943 - Present	444	No			Still in Use
445	C5	Storage and Vehicle Maintenance Shop (MIUW)	1962 - Present	445	Yes	Sites 7 and 10	Yes	Invest. Complete
454	H16	Storage for Armory, Building 501	1988 - Present	454	Yes	Site 25		Invest. Complete

Bldg. No.	Map Quad (*1)	Use of Concern	Dates of Use	Current Bldg. No.	Covered in RI?	IR Site Number	Covered in PA/SI?	Navy Recommendation
455	F11	Boiler Plant	1970 - Present	455	Yes	Site 5	Yes	Invest. Complete
456	C6	Gasoline storage tanks	1898 - present (*5)	456	Yes	Site 14		Invest. Complete
458	C11	Pyrotechnics storage	1939 - 1944	458	Yes	Site 24B		Invest. Complete
458	C11	Pyrotechnics storage, Paint storage	1944 - Present	458	Yes	Site 24B		Invest. Complete
459	H15	Skeet Range	1969 - Present	459	Yes	Site 25		Invest. Complete
462	D4	Decontamination building, FTC	1970 - Present	462	No			Still in Use
463	D4	Gas chamber	1970 - Present	463	No			Still in Use
465	D5	Trickling filter	1969 - Present	465	No	WWTP		Still in Use
466	D4	Secondary Sedimentation	1969 - Present	466	No	WWTP		Still in Use
467	D4	Digester #2	1969 - Present	467	No	WWTP		Still in Use
468	D4	Sludge Dewatering Structure	1969 - Present	468	No	WWTP		Still in Use
469	J16	No break Generator Building	1969 - Present	469	No			Still in Use
470	K15	Saluting Battery Gun Mount	1947 - Present	470	No			Still in Use
481	J13	Incinerator	1971 - Present	481	No		Yes	No Action
501	H16	Armory	~1988 - Present	501	Yes	Site 25		Invest. Complete
520	G15	Stm / Ht Bld / Shlt	1986 - Present	520	Yes	Site 25		Invest. Complete
530	E13	Pier Steam Plant	~1988 - Present	530	Yes	T-530		Invest. Complete
540	G7	Stm / Ht Bld / Shlt	1986 - Present	540	Yes	T-540		Invest. Complete
550	D4	Stm / Ht Bld / Shlt	1986 - Present	550	Yes	T-550/6		Invest. Complete
574	E7	Electrical Substation	1988 - Present	574	No			Still in Use
605	D8	P-250 Pump Trainer Firefighting (F/F)	1990 - Present	605	No	Exist. FF Train.		Still in Use
606	C8	Advanced Shipboard Firefighting (F/F 19F1A)	1990 - Present	606	No	Exist. FF Train.		Still in Use
607	C8	Oxygen Breathing Apparatus (OBA) Locker	1990 - Present	607	No	Exist. FF Train.		Still in Use
608	C8	General Shipboard Firefighting (F/F 19F3 B-1)	1990 - Present	608	No	Exist. FF Train.		Still in Use
609	C9	General Shipboard Firefighting (F/F 19F3 B-4)	1990 - Present	609	No	Exist. FF Train.		Still in Use
612	D9	Aviation Firefighting (F/F 19F4)	1990 - Present	612	No	Exist. FF Train.		Still in Use
613	D9	General Shipboard Firefighting (F/F 19F3 B-3)	1990 - Present	613	No	Exist. FF Train.		Still in Use
614	D8	General Shipboard Galley Firefighting (F/F 19F3 B-2)	1990 - Present	614	No	Exist. FF Train.		Still in Use
615	D8	Utility Building (F/F)	1990 - Present	615	No	Exist. FF Train.		Still in Use
616	D8	Aviation Tower (F/F 19F4)	1990 - Present	616	No	Exist. FF Train.		Still in Use
617	D8	P-250 Tower (F/F)	1990 - Present	617	No	Exist. FF Train.		Still in Use
618	C9	Propane Farm (F/F)	1990 - Present	618	No	Exist. FF Train.		Still in Use
671	D6	Brig Carpenter Shop	1991 - Present	671	Yes	Site 14/22		Invest. Complete
680	D4, D5	Sewage Processing	~1992 - Present	680	Yes	Site 6		Invest. Complete
PIER 12	F16	Repair Pier	1944 - 1993	Pier 12	Yes	Site 21		Invest. Complete
PIER 21	B6	Fuel Pier	1968 - 1988	(*6)	Yes	Site 14/22	Yes	Invest. Complete
SHED	H16	Bottled gas storage	Unknown (*7) - Present	SHED	Yes	Site 21		Invest. Complete
14	D11	Heating Plant #1	1942 - 1962		Yes	Site 24A		Invest. Complete
26	H11	Heating Plant #2 (Secured)	1942 - ~1977		No	Pipeline Invest.		Invest. Complete
42	D3	Inert Ammunition Storage	1942 - 1948		Yes	Site 6		Invest. Complete
43	F3	Pyrotechnic Ward and Small Arms Magazine	1942 - 1945		Yes	Site 12	Yes	Invest. Complete
		Inert Ammunition Storage	1945 - 1948				Yes	Invest. Complete
44	F3	High Explosives Magazine	1942 - 1945		Yes	Site 12	Yes	Invest. Complete
		Inert Ammunition Storage	1945 - 1948				Yes	Invest. Complete
45	F3	High Explosives Magazine	1942 - 1945		Yes	Site 12	Yes	Invest. Complete



Bldg. No.	Map Quad (*1)	Use of Concern	Dates of Use	Current Bldg. No.	Covered in RI?	IR Site Number	Covered in PA/SI?	Navy Recommendation
		Inert Ammunition Storage	1945 - 1948				Yes	Invest. Complete
46	F3	High Explosives Magazine	1942 - 1945		Yes	Site 12	Yes	Invest. Complete
		Inert Ammunition Storage	1945 - 1948				Yes	Invest. Complete
47	G3	High Explosives Magazine	1942 - 1945		Yes	Site 12	Yes	Invest. Complete
		Inert Ammunition Storage	1945 - 1948				Yes	Invest. Complete
48	G3	High Explosives Magazine	1942 - ~1942		Yes	Site 12	Yes	Invest. Complete
49	G3	High Explosives Magazine	1942 - 1945		Yes	Site 12	Yes	Invest. Complete
		Inert Ammunition Storage	1945 - 1948				Yes	Invest. Complete
50	G3	Inert Ammunition Storage	1942 - 1948		Yes	Site 12	Yes	Invest. Complete
51	H3	Y-Gun Magazine	1942 - 1945		Yes	Site 12	Yes	Invest. Complete
		Inert Ammunition Storage	1945 - 1948				Yes	Invest. Complete
52	H3	Fuse and Detonator Magazine	1942 - 1948		Yes	Site 12	Yes	Invest. Complete
53	I3	Fuse and Detonator Magazine	1942 - 1945		Yes	Site 12	Yes	Invest. Complete
		Inert Ammunition Storage	1945 - 1948				Yes	Invest. Complete
54	I3	Ammunition Magazines	1942 - ~1945		Yes	Site 12	Yes	Invest. Complete
55	E3	Inert Ammunition Storage	1945 - 1948		Yes	Site 12		Invest. Complete
58	C4	Incinerator and Refuse Building	1943 - 1948		Yes	Site 10	Yes	Invest. Complete
		Paint Shop	1948 - ~1961					Invest. Complete
60	D4	Machine Shop	1939 - 1940		Yes	Site 6		Invest. Complete
61	K8	Carpenter's Shop	1942 - 1948		Yes	Site 12		Invest. Complete
		Paint Spray Shop	1948 - 1952					Invest. Complete
65	C8	Shelter and Rifle Range	1944 - ~1961		No			Additional Research
77	C11	DC Generator House	1942 - ~1966		Yes	Site 24		Invest. Complete
79	C13	Gun Shed	1943 - 1952		No			No Action
81	C13	Gasoline Station	1943 - 1948		No	Pipeline Invest.	Yes	Invest. Complete
82	C13	Gasoline Station	~1945 - ~1961		No	Pipeline Invest.	Yes	Invest. Complete
83	D13	Gasoline Station and Lubrication Station	1942 - 1948		No	Pipeline Invest.		Invest. Complete
		Road Striping Detail	1948 - 1952					
		Paint Shop Annex	1952 - 1953					
90	E14	Garbage House	1942 - ~1977		Yes	Site 15		Invest. Complete
100	J7	Gun Loading Trainer	~1945 - 1948		Yes	Site 12		Invest. Complete
101	F11	Oil Pump House	1943 - ~1970		Yes	Site 24A	Yes	Invest. Complete
102	F12	Heating Plant #3	1942 - ~1970		Yes	Site 24B		Invest. Complete
110	F13	Rod and Gun Locker	1973 - ~1977		Yes	Site 24B		Invest. Complete
115	G14	Garage and Shop	1943 - 1952		No		Yes	No Action
116	F14	Garage	1943 - 1945		No			No Action
121	H9	Electric Shop	~1944 - 1948		No			Additional Research
125	H9	Garage	1942 - 1948		No		Yes	No Action
126	H10	Paint Locker	1948 - ~1961		No		Yes	No Action
127	H11	Laboratory	1948 - ~1991		No			Additional Research
133	H11	Fuel Oil Tank	~1945 - ~1970		Yes	AST-133	Yes	Invest. Complete
134	H11	Fuel Oil Tank	~1945 - ~1970		Yes	AST-134	Yes	Invest. Complete
136	H11	Garbage House	1945 - 1952		No			No Action
142	J16	Oil Storage Building	1942 - 1952		No			No Action
		Paint Locker	1952 - ~1970				Yes	No Action

Bldg. No.	Map Quad (*1)	Use of Concern	Dates of Use	Current Bldg. No.	Covered in RI?	IR Site Number	Covered in PA/SI?	Navy Recommendation
144	H16	Gasoline Storage	1943 - 1952		Yes	Site 25		Invest. Complete
145	H16	Underground Gasoline Storage Tank	~1945 - ~1961		Yes	Site 25		Invest. Complete
151	I10	Barracks I, Paint Locker	1942 - ~1948		No		Yes	No Action
153	I9	Garbage House	~1945 - ~1948		No			No Action
156	I8	Gun Shed	1942 - 1961		No			No Action
181	L18	PAN AM Gasoline Storage Tanks	1942 - ~1961		Yes	Site 16	Yes	Invest. Complete
182	L18	PAN AM Gasoline Pump House	1942 - ~1961		Yes	Site 16	Yes	Invest. Complete
192	K6	Magnet Channel Range Degaussing Range	1942 - 1945 1945 - 1952		Yes	Site 12		Invest. Complete Invest. Complete
193	K6	Magnet Channel Range Garage	1942 - 1952		Yes	Site 12	Yes	Invest. Complete
219	J12	Transformer and Storage	1938 - ~1948		No			Invest. Complete
223	I7	Paint Shop	1944 - 1948		Yes	Site 20	Yes	Invest. Complete
235	E12	Ward, Blood Bank, and Laboratory	1944 - 1948		Yes	Site 24B		Invest. Complete
237	E3	Oil Storage Tank (FF)	1944 - 1993		Yes	Site 6		Invest. Complete
238	E4	Shop and Boiler House	1944 - 1952		Yes	Site 6		Invest. Complete
239	E4	Oil Separating Pit and Suction Pump	1944 - 1993		Yes	Site 6		Invest. Complete
244	E4	Diving Tank and OBA Storage and Repair	1944 - 1993		Yes	Site 6		Invest. Complete
245	E4	Oil Separating Pit	1944 - 1993		Yes	Site 6		Invest. Complete
246	E4	Smothering Pit	1944 - 1993		Yes	Site 6		Invest. Complete
247	E4	Oil Storage	1944 - 1993		Yes	Site 6		Invest. Complete
249	E4	Gasoline Storage	1944 - 1993		Yes	Site 6		Invest. Complete
250	E4	Suction Tank	1944 - 1993		Yes	Site 6		Invest. Complete
251	E4	Foam Tank	1944 - 1993		Yes	Site 6		Invest. Complete
252	E4	Training Tank (Open)	1944 - 1993		Yes	Site 6		Invest. Complete
253	E4	Christmas Tree Training Tank (Open)	1944 - 1993		Yes	Site 6		Invest. Complete
254	E4	Christmas Tree Training Tank (Open)	1944 - 1993		Yes	Site 6		Invest. Complete
255	(*8)	Tank (Open)	1944 - 1993		Yes	Site 6		Invest. Complete
256	E3	Gasoline Tank	1944 - 1993		Yes	Site 6		Invest. Complete
259	J8	Gun Mount	1944 - 1952		Yes	Site 12		Invest. Complete
268	I8	Gun Loading Shed	1944 - 1952		No			No Action
270	E3	Paint and Oil Storage	1944 - ~1969		Yes	Site 6	Yes	Invest. Complete
272	D14	Air Compressor Station	1952 - 1985		Yes	Site 15		Invest. Complete
273	K6	Decontamination Building	1944 - 1952		Yes	Site 12		Invest. Complete
274	E14	Dynamometer Shop, Fallout Shelter	1944 - ~1961		Yes	Site 15		Invest. Complete
277	F2	Magazine, Ammunition	1944 - 1948		Yes	Site 12	Yes	Invest. Complete
278	G2	Magazine, Ammunition	1944 - 1948		Yes	Site 12	Yes	Invest. Complete
279	H2	Magazine, Ammunition	1944 - 1948		Yes	Site 12	Yes	Invest. Complete
280	I2	Magazine, Ammunition Medical Storage	1944 - 1948 1948 - ~1969		Yes	Site 12	Yes	Invest. Complete Invest. Complete
281	J3	Magazine, Ammunition	1944 - 1948		Yes	Site 12	Yes	Invest. Complete
282	I3	Magazine, Ammunition	1944 - 1948		Yes	Site 12	Yes	Invest. Complete
283	H3	Magazine, Ammunition	1944 - 1948		Yes	Site 12	Yes	Invest. Complete
284	G3	Magazine, Ammunition	1944 - 1948		Yes	Site 12	Yes	Invest. Complete
285	G4	Magazine, Ammunition	1944 - 1948		Yes	Site 12	Yes	Invest. Complete
286	H4	Magazine, Ammunition	1944 - 1948		Yes	Site 12	Yes	Invest. Complete

Bldg. No.	Map Quad (*1)	Use of Concern	Dates of Use	Current Bldg. No.	Covered In RI?	IR Site Number	Covered In PA/SI?	Navy Recommendation
		Tear Gas Storage	1948 - 1952					Invest. Complete
287	I4	Magazine, Ammunition	1944 - 1948		Yes	Site 12	Yes	Invest. Complete
288	K6	Gas Chamber (Training)	1944 - 1969		Yes	Site 12		Invest. Complete
291	J8	Gun Mount	~1945 - ~1961		Yes	Site 12		Invest. Complete
295	D13	Generator Building	1944 - 1952		No			Additional Research
297	E16	Transformer House	1944 - 1952		Yes	Site 21		Invest. Complete
314	K8	Gun Mount	~1945 - ~1948		Yes	Site 12		Invest. Complete
318	K7	Service Station	1939 - 1940		Yes	Site 12		Invest. Complete
		Gun Mount	1942 - 1952					Invest. Complete
322	J7	Gun Mount	~1945 - ~1948		Yes	Sites 12 & 20		Invest. Complete
323	D13	Gun Trainer	1945 - 1952		No			No Action
326	K8	Gun Shed	1945 - ~1952		Yes	Site 12		Invest. Complete
334	D5	Paint Locker	~1945 - ~1948		Yes	Site 7	Yes	Invest. Complete
336	C5	Linoleum Shop	~1945 - ~1952		Yes	Site 10		Invest. Complete
337	C5	Masons Locker	~1945 - 1952		Yes	Site 10		Invest. Complete
345	G2	Incinerator	1951 - ~1961		Yes	Site 12	Yes	Invest. Complete
349	K6	Field Work Shop, Classroom (Chemical Warfare)	1952 - ~1970		Yes	Site 12		Invest. Complete
350	K6	Repair Shop, Classroom (Chemical Warfare)	1952 - ~1970		Yes	Site 12		Invest. Complete
351	K6	Repair Shop, Classroom (Chemical Warfare)	1952 - ~1961		Yes	Site 12		Invest. Complete
370	I7	Gasoline Filling Station	~1961 - ~1977		Yes	Site 20		Invest. Complete
403	C4	Incinerator	~1961 - ~1966		Yes	Sites 6, 7, & 10		Invest. Complete
404	C4	Incinerator	~1961 - ~1966		Yes	Sites 6, 7, & 10		Invest. Complete
414	I8	Transformer House	~1966 - ~1992		No			Additional Research
424	G8	Switchgear House	1942 - ~1991		No			Additional Research
425	H10	Switchgear House	1942 - ~1991		No			Additional Research
426	C14	Switchgear House	~1966 - ~1968		No			Additional Research
427	C14	Switchgear House	~1966 - ~1968		No			Additional Research
428	H10	Switchgear House	~1966 - ~1968		No			Additional Research
429	D16	Switchgear House	~1966 - ~1968		No			Additional Research
464	E5	Smoke Elimination Structure	1969 - 1993		No	Site 6		Invest. Complete
491	Unknown	Separating Pit (NTTC)	~1977 - ~1993			Site 6		Invest. Complete
PIER 1	K18	Fueling Pier	1938 - ~1961		No	Pipeline Invest.	Yes	Invest. Complete
PIER 5	I16	Marine Railway	~1945 - ~1961		No	Site 13		Invest. Complete
PIER 9	G16	Marine Railway	~1942 - ~1961		No	Site 13		Invest. Complete
PIER 9A	G16	Marine Railway - 50 Ton	~1945 - ~1970		No	Site 13		Invest. Complete
PIER 10	F16	Fuel Pier	~1945 - ~1961		No	Site 13	Yes	Invest. Complete
PIER 13	E15	Maintenance Pier	1944 - 1991		No	Site 13	Yes	Invest. Complete
PIER 14	D15	Maintenance Pier	1944 - 1987		No	Site 13	Yes	Invest. Complete
PIER 15	C14	Maintenance Pier	1944 - 1987		No	Site 13	Yes	Invest. Complete
PIER 16	C14	Maintenance Pier	~1945 - ~1973		No	Site 13	Yes	Invest. Complete
PIER 19	C9	Repair Pier	~1945 - 1952		No	Site 13		Invest. Complete
		Marine Railway (Surveyed)	1952 - ~1961					Invest. Complete
PIER 22	E2	Ammunition Pier	1944 - 1987		No	Site 13		Invest. Complete
NA	I7 & J7	Show set with narrow gauge railroad	1938 - ~1942		Yes	Site 20		Invest. Complete
NA	(*9)	Carnival rides and shows, including a 4000 foot roller coaster	1938 - ~1942		No			No Action

Bldg. No.	Map Quad (*1)	Use of Concern	Dates of Use	Current Bldg. No.	Covered in RI?	IR Site Number	Covered in PA/SI?	Navy Recommendation
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**Notes:**

- \*1 Hice, Eric and Daniel Schierling. "Historical Study of Yerba Buena Island, Treasure Island, and their Buildings." BRAC Environmental Technical Division, Mare Island Naval Shipyard, Mare Island, California. August 1995. pp.7/8.
- \*2 "Present" is as of 1995
- \*3 contained paints and varnishes; now vacant
- \*4 welding waste, hazmat, and used oil on site
- \*5 moved from YBI to TI in 1968
- \*6 scheduled for demolition in 1995
- \*7 appears to be recent
- \*8 E4(1944-~1969); D9(~1969-1993)
- \*9 spanned map quads E6-E9; F6-F9, G6-G9; and H6-H9

## **ATTACHMENT 5**

### **1. Summary of Upcoming Documents**

**NAVSTA TI Installation Restoration Program  
Summary of Upcoming Documents**

**August 2000-August 2001**

Item	DOCUMENT TITLE	CLIENT	NAVY RESPONSE	TO ALL AGENCIES	AGENCY RESPONSE			CLIENT	NAVY RESPONSE	COMMENTS
		Date Sent	Date Back	Date Sent	Date Back	Date Back	Date Back	Date Sent	Date Back	
	<b>Tetra Tech EMI</b>									
1	Ambient Air Investigation Draft FSP	7/28/2000	8/7/2000	8/8/2000	8/22/2000	8/22/2000	8/22/2000	8/29/2000	9/5/2000	
2	Site 12 Additional Wells Draft FSP	8/18/2000	9/1/2000	9/5/2000	9/19/2000	9/19/2000	9/19/2000	9/26/2000	10/3/2000	
3	FSY Oversight Report	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
4	FSY FOSL	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
5	WP for Debris Disposal Areas	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
6	Site 12 RI	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
7	Site 12 FS	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
8	NFA documentation for Sites 1,3,5,7,17	7/3/2000	9/3/2000	9/4/2000	10/13/2000	10/13/2000	10/13/2000	TBD	TBD	
9	FSP/QAPP for Site 24 addtl. investigation	11/13/2000	11/27/2000	11/28/2000	12/12/2000	12/12/2000	12/12/2000	12/16/2000	12/26/2000	
10	FSP/QAPP for Sites 8,9,11,28,29	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
11	Site 10 and 21 RI	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
12	FS for Site 21	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
13	FSP/QAPP for Site 13	9/15/2000	9/29/2000	10/6/2000	11/3/2000	11/3/2000	11/3/2000	12/1/2000	12/15/2000	
14	Final RI for Sites 13 and 17	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
15	SEBS/FOST for ECP Area Types 1, 3, 4	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
16	FOST for Sites 1, 3, and 7	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
17	FOST for Sites 5, 17, and 24	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
18	Site 28 FS	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
19	Draft CAP for Sites 4, 16, 19, and 20	1/15/2001	2/1/2001	2/8/2001	3/9/2001	3/9/2001	3/9/2001	--	--	Continues to Draft Final Stage
20	Final CAP for Sites 4, 16, 19, and 20	4/15/2001	5/2/2001	5/9/2001	6/10/2001	6/10/2001	6/10/2001	7/25/2001	8/2/2001	
21	Pipeline Draft CAP	8/8/2001	8/22/2001	9/5/2001	10/6/2001	10/6/2001	10/6/2001	--	--	Continues to Draft Final Stage
22	Pipeline Final CAP	11/8/2001	11/22/2001	12/6/2001	1/7/2002	1/7/2002	1/7/2002	2/13/2002	2/28/2002	
	<b>IT Corporation</b>									
1	3rd and 5th St. fuel release DVE pilot WP	7/17/2000	7/31/2000	8/7/2000	9/8/2000	9/8/2000	9/8/2000	10/20/2000	11/3/2000	
2	Site 25 pilot WP	9/8/2000	9/22/2000	9/29/2000	10/30/2000	10/30/2000	10/30/2000	12/4/2000	12/18/2000	
3	Site 12 Debris Work Plans	9/15/2000	9/29/2000	10/6/2000	11/7/2000	11/7/2000	11/7/2000	12/12/2000	12/26/2000	
4	Site UST 270 pilot WP	9/22/2000	10/6/2000	10/13/2000	11/14/2000	11/14/2000	11/14/2000	12/15/2000	12/29/2000	
5	Site 12 FSY Post-construction report	9/29/2000	10/13/2000	10/20/2000	11/21/2000	11/21/2000	11/21/2000	12/26/2000	1/9/2001	
6	Site 14/22 pilot WP	10/13/2000	10/27/2000	11/3/2000	12/4/2000	12/4/2000	12/4/2000	1/2/2001	1/16/2001	
7	Site 15 pilot WP	10/27/2000	11/10/2000	11/17/2000	12/18/2000	12/18/2000	12/18/2000	1/15/2001	1/29/2001	
8	Site 24 pilot WP	11/10/2000	11/27/2000	12/4/2000	1/5/2001	1/5/2001	1/5/2001	2/6/2001	2/20/2001	
9	3rd and 5th St. pilot tech memo	12/22/2000	1/5/2001	1/12/2001	2/13/2001	2/13/2001	2/13/2001	3/14/2001	3/28/2001	

**Notes:**

Dates subject to change with schedule changes. (8/07/00)

**Abbreviations:**

TBD = To be determined

CAP = Corrective Action Plan

EE/CA = Engineering evaluation/Cost analysis

FOSL = Finding of suitability to lease

FOST = Finding of suitability to transfer

FS = Feasibility study

FSY = Former Storage Yard

PP = Proposed plan

QAPP = Quality assurance project plan

RAW = Removal action work plan

RD = Remedial Design

RI = Remedial Investigation

WP = Work plan

#### **ATTACHMENT 6**

1. Meeting No. 70 Agenda
2. SWDIV Web Page

Draft Draft Draft

NAVAL STATION TREASURE ISLAND  
ENVIRONMENTAL RESTORATION ADVISORY BOARD MEETING

Tuesday, 15 August 2000

7:00 PM.

**Casa de la Vista (Building 271)**  
TREASURE ISLAND  
MEETING NO. 70

7:00 Welcome Remarks  
Discussion/Approval of Agenda

7:05 Public Comment

BRAC CLEANUP PROCESS

7:15 CAP and Fuel Line Investigation Update

7:25 Former Storage Yard Removal Update

7:40 Strategic Plan and Schedule

8:00 Break/Informal Discussion

*This is an opportunity to informally discuss issues with the presenters and  
use the index cards for questions or comments*

PROGRAM UPDATES:

8:20 Organizational Business  
Moderator: Community Co-Chair (Nathan Brennan)  
Goal: To discuss and approve as required

8:30 General Updates

- Announcements
- Draft June and July Meeting Minutes
- August RPM/BCT/Project Team Meeting





Southwest Division,  
Naval Facilities Engineering  
Command

*Environmental*

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Team Awards](#)

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Project](#)

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Acronyms, Definitions](#)

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Send comments and questions to [saunderslh@efdswnavfac.navy.mil](mailto:saunderslh@efdswnavfac.navy.mil)

last update: August 2000



TETRA TECH EM INC.

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1230 Columbia Street, Suite 1100  
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DATE: 11/22/00  
CTO: 0308  
LOCATION: NAVSTA Treasure Island, San Francisco

FROM: *[Signature]* for  
Daniel Chow, Program Manager

DOCUMENT TITLE AND DATE:

Draft RPM and BRAC Cleanup Team Meeting Minutes, August 8, 2000

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